

WHAT WE CLAIM IS:

SUB A1 >

1. An alternator for a vehicle, comprising two pole pieces having interlaced poles and at least one magnet, the poles exhibiting grooves profiled along an axis and accommodating the magnet, the profile completely preventing the magnet escaping from the grooves in a plane perpendicular to the axis, which comprises a strip interposed between one face of the magnet and at least one of the grooves, the strip being produced from a material which is less hard than the magnet.

SUB B1 >

2. The alternator as claimed in claim 1, wherein the strip is interposed between the magnet and each of the grooves.

SUB A2 >

3. The alternator as claimed in claim 1 wherein the strip covers over one circumferential face of the magnet.

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SUB B1 >

4. The alternator as claimed in claim 3, wherein the circumferential face is oriented in a direction opposite to a shaft of the alternator.

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5. The alternator as claimed in claim 1, which comprises two strips interposed between respective opposed faces of the magnet and at least one of the grooves.

SUB A3 >

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6. The alternator as claimed in claim 1, wherein the profile of each groove is "U"-shaped.

7. The alternator as claimed in claim 1, wherein the profile of each groove is "V"-shaped, the "V" profile having one branch which is locally parallel to a circumferential face of the poles.

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